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(54) **Vascular graft**

Blutgefäßstransplantat

Grefte vasculaire

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(56) References cited:
EP-A- 0 508 473 **EP-A- 0 540 290**
EP-A- 0 556 850 **EP-A- 0 596 145**
EP-A- 0 621 016 **WO-A-93/13825**
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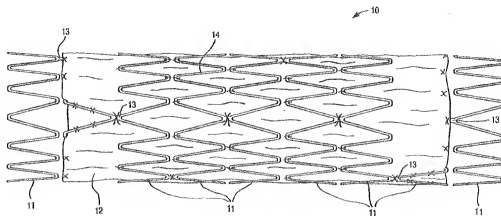
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(54) **Apparatus for endoluminal graft placement**

(57) A vascular graft comprises a perforate tubular compressible frame having a fabric liner disposed over at least a portion of the frames lumen. The graft may be used in combination with a base structure to form a bifurcated graft *in situ*. The base structure compresses a compressible frame having a fabric liner which defines a pair of divergent legs. The base

structure is positioned within the aorta so that one leg enters each iliac. The tubular grafts can then be introduced into each leg to form the bifurcated structure. A graft delivery catheter includes a controllably flared sheath which facilitates recapture of a partially deployed graft.

**FIG. 1**